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What is claimed is:

- 1. A method for detecting if an image is compressed, comprising the steps of:
- (a) computing the absolute difference between two neighbor pixels of an image, for a predetermined number of pixels of the image, horizontally and vertically;
- (b) dividing the results of said step (a) into first differences that correspond to crossing block boundaries (I) and second differences that correspond to not crossing block boundaries (II);
 - (c) computing histograms from samples in I and II;
 - (d) normalizing each histogram; and
- (e) determining if the image is compressed based on a difference between the two normalized histograms.
- 2. The method as claimed in claim 1, wherein said step (e) further comprises the substeps of:
- (e1) determining a difference value K which is equal to K=sum(absolute((histogram (I))-(histogram(II))));
- (e2) determining that the image is compressed when K is greater than a first predetermined threshold.

- 3. The method as claimed in claim 1, wherein said step (e) further comprises the substeps of:
- (e1) determining a difference value K which is equal to5 K=sum(absolute((histogram (I))-(histogram(II))));
 - (e2) determining that the image is likely compressed when K is greater than a first predetermined threshold and less than a second predetermined threshold.
 - 4. The method as claimed in claim 1, wherein said step (e) further comprises the substeps of:
 - (e1) determining a difference value K which is equal to K=sum(absolute((histogram (I))-(histogram(II))));
 - (e2) determining that the image is not compressed when K is less than a first predetermined threshold.
 - 5. The method as claimed in claim 2, wherein said step (e) further comprises the substep of:
 - (e3) determining that the image is likely compressed when K is greater than a second predetermined threshold and less than a third predetermined threshold.
 - 6. The method as claimed in claim 2, wherein said step (e) further comprises the substep of:
- 25 (e3) determining that the image is not compressed when K is less than a second predetermined threshold.

- 7. The method as claimed in claim 3, wherein said step (e) further comprises the substep of:
- (e3) determining that the image is not compressed when K is less than
 a third predetermined threshold.
 - 8. The method as claimed in claim 5, wherein said step (e) further comprises the substep of:
 - (e4) determining that the image is not compressed when K is less than a fourth predetermined threshold.
 - 9. The method as claimed in claim 2, wherein the first predetermined value is equal to 0.15.
 - 10. The method as claimed in claim 3, wherein the first predetermined value is equal to 0.05 and the second predetermined value is 0.15.
 - 11. The method as claimed in claim 4, wherein the first predetermined value is equal to 0.05.

- 12. A method for detecting if an image is compressed, comprising the steps of:
 - (a) determining a block grid within the image;
 - (b) establishing blocks from the determined grid;
- (c) computing differences between samples inside the established blocks;
- (d) computing differences between samples across the established blocks; and
- (e) determining that the image is compressed based on characteristics derived from statistics of the computed differences.
- 13. The method as claimed in claim 12, wherein said step (e) comprises the substeps of:
- (e1) computing histograms from samples derived from said steps (c) and (d);
 - (e2) normalizing each histogram; and
- (e3) determining if the image is compressed based on a difference between the two normalized histograms.

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- 14. The method as claimed in claim 13, wherein said step (e3) further comprises the substeps of:
- (e3i) determining a difference value K which is equal to K=sum(absolute((histogram (I))-(histogram(II))));
- (e3ii) determining that the image is compressed when K is greater than a first predetermined threshold.

- 15. The method as claimed in claim 13, wherein said step (e3) further comprises the substeps of:
- (e3i) determining a difference value K which is equal to K=sum(absolute((histogram (I))-(histogram(II))));
 - (e3ii) determining that the image is likely compressed when K is greater than a first predetermined threshold and less than a second predetermined threshold.
 - 16. The method as claimed in claim 13, wherein said step (e3) further comprises the substeps of:
 - (e3i) determining a difference value K which is equal to K=sum(absolute((histogram (I))-(histogram(II))));
 - (e3ii) determining that the image is not compressed when K is less than a first predetermined threshold.
 - 17. The method as claimed in claim 14, wherein said step (e3) further comprises the substep of:
 - (e3iii) determining that the image is likely compressed when K is greater than a second predetermined threshold and less than a third predetermined threshold.
 - 18. The method as claimed in claim 14, wherein said step (e3) further comprises the substep of:
- 25 (e3iii) determining that the image is not compressed when K is less than a second predetermined threshold.

- 19. The method as claimed in claim 15, wherein said step (e3) further comprises the substep of:
- (e3iii) determining that the image is not compressed when K is less than a third predetermined threshold.
 - 20. The method as claimed in claim 17, wherein said step (e3) further comprises the substep of:
 - (e3iv) determining that the image is not compressed when K is less than a fourth predetermined threshold.
 - 21. The method as claimed in claim 13, wherein the first predetermined value is equal to 0.15.
 - 22. The method as claimed in claim 14, wherein the first predetermined value is equal to 0.05 and the second predetermined value is 0.15.
- 23. The method as claimed in claim 15, wherein the first predetermined value is equal to 0.05.

- 24. A method for detecting if an image is compressed, comprising the steps of:
- (a) computing the absolute difference between two neighbor pixels of an image, for a predetermined number of pixels of the image, horizontally and vertically;
- (b) dividing the results of said step (a) into first differences that correspond to crossing block boundaries (I) and second differences that correspond to not crossing block boundaries (II);
- (c) determining if the image is compressed based on a difference between statistics of the first and second difference sequences.
- 25. A method to detect if an image is compressed comprising the steps of:
- (a) detecting blocking artifacts in the image indicative of compression; and
- (b) providing an output indicative of compression upon detection of the blocking artifacts.
- 26. The method as claimed in claim 1, wherein the predetermined number of pixels is all of the pixels of the image.
 - 27. The method as claimed in claim 24, wherein the predetermined number of pixels is all of the pixels of the image.

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- 28. The method as claimed in claim 1, wherein the predetermined number of pixels is a subsample of the pixels of the image.
- 29. The method as claimed in claim 24, wherein the predeterminednumber of pixels is a subsample of the pixels of the image.